

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): TANAKA et al.	Atty. Dkt.: 01-504
Serial No.: Unknown	Group Art Unit:
Filed: Concurrently herewith	Examiner:
Title: MULTIPLE-FREQUENCY COMMON ANTENNA	

Commissioner for Patents
Arlington, VA 22202

Date: September 30, 2003

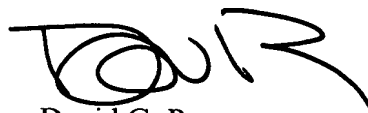
INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, the reference(s) listed on the attached Form PTO-1449 is/are being submitted for consideration by the Examiner without any admission that it/they constitute(s) statutory prior art, or without any admission that it/they contain(s) subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art.

The Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed reference(s) has/have been considered and made of record.

Respectfully submitted,



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FORM PTO-1449	ATTY. DKT NO.	01-504	SER. NO.
	APPLICANT TANAKA et al.		
	FILING DATE	September 30, 2003	GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		6,112,102 (English counterpart of JP-A-2001-501412 which is discussed in page 2 of the spec.)	Aug. 29, 2000	Zhinong		
		6,262,495 (Discussed in page 2 of the spec.)	Jul. 17, 2001	Yablonovitch et al.		

FOREIGN PATENT DOCUMENTS

								TRANSLATION	
		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES	NO
		JP-A-2000-68736 * (Discussed in page 2 of the spec.)	3/3/00	JAPAN				X (Abstract)	
		JP-A-2000-59130* (Discussed in page 2 of the spec.)	2/25/00	JAPAN				X (Abstract)	

* Full English text of the JP Document will be available in machine-translated form from JP (Japanese Patent Office) English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

		D. Sievenpiper et al., "Antennas on High-Impedance Ground Planes", <u>IEEE MTT-S Digest</u> , 0-7803-5135-5, 1999, pp.1245-1248 (Discussed in page 2 of the spec.)
		D. Sievenpiper et al., "High-Impedance Electromagnetic Ground Planes", <u>IEEE MTT-Digest</u> , 0-7803-5135-5, 1999, pp.1529-1532
EXAMINER		DATE CONSIDERED